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(54) Title (EN): FIXING DEVICE

(54) Title (FR): DISPOSITIF DE FIXATION

(54) Title (JA): 定着装置

(57) Abstract:

(EN): A fixing device (200) using a heating device of an electromagnetic induction heating system, comprising an exciting device (230) generating magnetic fluxes, an opposed core (233) disposed oppositely to the exciting device (230), a fixing belt (210) induction-heated by the magnetic fluxes, and a magnetic shielding body (301) shielding a magnetic path (302) corresponding to the paper non-passage area of the fixing belt (210) between the exciting device (230) and the opposed core (233). Since the magnetic path passed between the exciting device (230) and the opposed core (233) is shielded by the magnetic shielding body (301), the overheat of the paper non-passage area of the fixing belt (210) can be prevented by effectively shielding the magnetic fluxes induction-heating the fixing belt (210).

(FR): L'invention concerne un dispositif de fixation (200) utilisant un dispositif chauffant d'un système chauffant à induction électromagnétique, comprenant un dispositif d'excitation (230) produisant des flux magnétiques, un noyau opposé (233) disposé

face au dispositif d'excitation (230), une bande de fixation (210) chauffée par induction par les flux magnétiques, ainsi qu'un corps de protection contre les champs magnétiques (301) protégeant une ligne de force (302) correspondant à la zone par laquelle ne passe pas le papier de la bande de fixation (210) entre le dispositif d'excitation (230) et le noyau opposé (233). Du fait que la ligne de force passe entre le dispositif d'excitation (230) et que le noyau opposé (233) est protégé par le corps de protection contre les champs magnétiques (301), on peut éviter une surchauffe au niveau de la zone par laquelle ne passe pas le papier de la bande de fixation (210) en protégeant efficacement les flux magnétiques chauffant par induction la bande de fixation (210).

(JA): 電磁誘導加熱方式の加熱装置を用いた定着装置 200 において、磁束を発生する励磁装置 230 と、励磁装置 230 に対向して配置された対向コア 233 と、前記磁束により誘導加熱される定着ベルト 210 と、励磁装置 230 と対向コア 233 との間の定着ベルト 210 の非通紙領域に対応する磁路 302 を遮断する磁気遮蔽体 301 と、を備える。磁気遮蔽体 301 により励磁装置 230 と対向コア 233 との間を通る磁路を遮断することにより、定着ベルト 210 を誘導加熱する磁束を効果的に遮蔽して、定着ベルト 210 の非通紙領域の過昇温を防止する。

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